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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/804,626

DATE: 03/30/20 TIME: 15:02:53

15

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Output Set: N:\CRF3\03302001\I804626.raw

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3 <110> APPLICANT: Lobel, Leslie
              Lustbader, Joyce
      6 <120> TITLE OF INVENTION: EXPRESSION OF PROPERLY FOLDED AND SOLUBLE EXTRACELLULAR
DOMAIN OF A
             GONADOTROPIN RECEPTOR
      9 <130> FILE REFERENCE: 0575/62259/JPW/SHS
C--> 11 <140> CURRENT APPLICATION NUMBER: US/09/804,626
C--> 11 <141> CURRENT FILING DATE: 2001-03-09
     11 <160> NUMBER OF SEQ ID NOS: 8
     13 <170> SOFTWARE: PatentIn version 3.0
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     17 <212> TYPE: DNA
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     25 ccgattctgg atgaaatcgc tgacgaatat cagggcaaac tgaccgttgc aaaactgaac
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     27 atcgatcaaa accetggcac tgcgccgaaa tatggcatcc gtggtatccc gactctgctg
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     35 ttcgaacgcc agcacatgga cagcccagat ctgggtaccg acgacgacga caaggccatg
                                                                              480
                                                                              540
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     39 tgcgtgcccg acggcgccct gcgctgcccc ggccccacgg ccggtctcac tcgactatca
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82 1

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	Glu	Tyr 50	Gln	Gly	Lys	Leu	Thr 55	Val	Ala	Lys	Leu	Asn 60	Ile	Asp	Gln	Asn
		Gly	Thr	Ala	Pro	Lys 70	Tyr	Gly	Ile	Arg	Gly 75	Ile	Pro	Thr	Leu	Leu 80
96 97	Leu	Phe	Lys	Asn	Gly 85	Glu	Val	Ala	Ala	Thr 90	Lys	Val	Gly	Ala	Leu 95	Ser
99 100	_	Gly	Gln	Leu 100		Glu	Phe	Leu	Asp 105		Asn	Leu	Ala	Gly 110		Gly
102	Sei	Gly	His	s Met	: His	His	His	s His	s His	His	s Sei	r Ser	Gly	Leu	ı Val	Pro
103			115					120		_	_		125		_	
106	;	130	)				135	5				140	)			Gln
108	His	Met	Asp	Sei	Pro			ı Gly	Thi	: Asp			Asp	Lys	: Ala	Met
	145					150					155			_	_	160
		a Asp	) Ile	e Gl∑			ı Phe	e Arg	y Ala			J GIU	ı Ala	Let	1 Cys	Pro
112		. D		. 7	165		Desc	. 7 ar		17(		1 Arc	. Cv.	Dro		
		Pro	о сув	180		s val	. PIC	) ASE	185		т пес	ı ALÇ	у Суз	190		Pro
115		~ \ \ \ 1 =	. Gls			^ Arc	r T.e.i	1 Se1			a Tvi	r Lei	ı Pro			Val
118		. AIC	195				, 100	200				. 200	205		1-	
		Pro			n Ala	a Phe	e Arc	Gly	/ Lei	ı Ası	ı Glu	ı Val	. Ile	Lys	s Ile	Glu
121		210					215		•			220				
123	Ile	e Sei	Glr	ıle	e Asp	Sei	: Lei	ı Glu	ı Arç	ı Ile	e Glu	ı Ala	Asn	ı Ala	ı Phe	a Asp
	225					230					235					240
		ı Lei	ı Leı	ı Asr			: Glu	ı Ile	e Leu			n Asr	1 Thr	Lys		Leu
127					245			_,	- 1	25(			. 3	. <b>.</b>	255	
	-	ј Туј	: Ile			O GTZ	A A L	a Phe	265 265		теі	ı Pro	Arg	, Let 270		Tyr
130			. т1.	260		n mba	~ Clx	, T]			. Dha	n Dro	λer			Lys
132		1 261	275		, ASI	1 1111	. GI	280		, ny	5 1110	FIL	285			. 1,5
		Phe			Gli	ı Sei	Asr			e Lei	ı Glu	ı Ile			Asn	Leu
136		290					295					300		-		
138	His	; Ile	e Thi	Thi	: 116	e Pro	Gly	Ası	n Ala	a Phe	e Gli	n Gly	<i>M</i> et	Asr	n Asr	Glu
139	305	5				310	)				315	5				320
141	. Sei	· Val	Thi	r Lei	ı Lys	Lei	туз	c Gly	Asr	ı Gly	/ Phe	e Glu	ı Glu	ı Val		Ser
142					325									_	335	
		s Alá	ı Phe			Thi	Thi	: Lei			r Lei	ı Glu	ı Leu			Asn
145			_	340					345		. Dh	. 7	. 01.	350		
		. Hls	355		г га	s met	. H15	360 360		Ala	1 PM	= AIG	365 365		. 1111	Gly
148		. T.,,			λar	. т1а	. Car			^ T.376	z T.Δ1	ıGlr			Pro	Ser
151		л Буг 37(		. הפנ	. vol	, 116	375		. 1111	יע ב	וטע	380				
				ı Glı	ı Sei	: Ile			ı Let	ı Ile	e Ala			Sei	Tyr	Ser
	385			•		390					39				-	400
			ь Гуз	s Leu	ı Pro	Sei	Arg	g Glu	ı Thı	: Phe	e Val	l Asr	ı Leu	Let	ı Glu	Ala

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165 Cys Glu Ser Thr Val Arg Lys Val Asn Asn Lys Thr Leu Tyr Ser Ser
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166
        450
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169 465
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241 <212> TYPE: PRT
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Output Set: N:\CRF3\03302001\I804626.raw

		> OR				Sap	iens	3								
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247	1				5					10		1	<b>.</b>	.1.	15	m
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264	Lvc	Clv	Gln	T.e.11	Lvs	Glu	Phe	Leu	Asp	Ala	Asn	Leu	Ala	Gly	Ser	Gly
	гуз	GIY	GIII	100	ц	014			105					110		
265	Con	C1.	uic	Mot	Шic	ніс	His	His		His	Ser	Ser	Gly	Leu	Val	Pro
	ser	GIY	115	Mec	птэ	1113	1115	120					125			
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	Arg		ser	Gry	Mec	цуз	135	1111			•	$\frac{1}{4}0$			_	
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285	Phe		Asp	Leu	Glu	Lys	He	GLU	тте	ser	GTII	220	ASP	vai	пец	Glu
286		210					215		_	_		220	т о	ni a	Clu	Tlo
288	Val	Ile	Glu	Ala	Asp		Phe	Ser	Asn	Leu	Pro	ьуѕ	Leu	птэ	GIU	Ile 240
289	225					230				_	235	m 1	D	C1	7 l a	
291	Arg	Ile	Glu	Lys	Ala	Asn	Asn	Leu	Leu	Tyr	тте	Thr	Pro	GIU	Ala	Phe
292					245					250		_	_	m 1	255	
294	Gln	Asn	Leu	Pro	Asn	Leu	Gln	Tyr	Leu	Leu	He	ser	Asn	THE	СТУ	Ile
295				260					265		_	_	a1	270	37-1	Tou
297	Lys	His	Leu	Pro	Asp	Val	His	Lys	Ile	His	Ser	Leu	Gin	гÀг	vaı	Leu
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309	Ala	Val	Asn	Leu	Ser	Asp	Asn	Asn	Asn	Leu	Glu	Glu	Leu	Pro	Asn	Asp
310				340					345	1				350	1	
310	Va 1	Phe	His	Glv	Ala	Ser	Gly	Pro	Val	Ile	Leu	Asp	Ile	ser	Arg	Thr
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	385	37 1	31.	T	Wot	390	7 l a	Com	т о.,	m b x	395	Dro	Cor	II i a	Cuc	400 Cwa	
	Leu	vaı	Ата	ьeu		GIU	Ald	Ser	ьеи	410	тут	PIO	ser	птъ	415	Cys	
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325		<b>T</b>	<b>a</b>	420	T	3	<b>a</b> 1	<b>a</b> 3	425	3 an	Merro	Mot	mhm	430	א ז ה	7 ~~	
	Asn	ьуs		ше	Leu	Arg	GIN		val	ASP	TAT	Met		GIII	Ald	Alg	
328		<b>a</b> 1	435	<b>a</b>	<b>a</b>	<b>.</b>	. 1 -	440	7	7 ~~	<b>~1</b>	Com	445	m	Com	7 ~~	
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331		450		37 - 4-	m1	m	455	<b>a</b> 1	Dha	3	m	460	т о и	0	) an	C1.,	
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	465	**- 7		17- 1	ml	470	G	D	T	D====		710	Dho	7 ~ ~	Dwo	480	
	Val	vaı	Asp	val		Cys	ser	Pro	гуз		ASP	Ата	PHe	ASII		Cys	
337			- 1		485	**- 7	3	T	T	490	31-	71.	T	<i>α</i> 1	495	TT : ~	
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20T	+ ~ + ~								ı gct	aato	gcct	ttga	caac	cct o	cctca	aatttg	300
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363 365 367	aatc gtta ataa	gaaat etted iegaa ieea	cac tecc garage teca teca teca teca teca teca teca tec	gato gatta cctto cacca	ccaga aaaat ctcct aggaa	aa ca ta ct tc to	accaa tgag gaato gcttt	aaat jeate aaat teaa	get ctgt ttt ttc ggg	aatg gagat aaca atto gatga	gcct taca acag ctgg aata	ttga ttga gcat aaat atga	icaad igccd icaga ittgt iatct	ect or general control of the contro	cctca agcat gttto taact aacao	aatttg Ettata Ccagat Etacac Ctcaaa	300 360 420 480 540
363 365 367 369	aatc gtta ataa ctat	gaaat etted legaa leead latgg	cac tecc o	gato gatto cetto cacco atgga	ccaga aaaat ctcct aggaa atttg	na ca ca ct cc to na to ga ao	accaa tgag gaato gcttt gaagt	naaat gcato caaat ctcaa cacaa	get ctgt ttt ttc ggg	aato gagat aaca aatto gatga cato	geet taca acag etgg aata geat	ttga ttga gcat aaat atga tcaa	icaad igccd icaga ittgt itggg	ect or egg a saa og a tega tega tega egg a	ectea ageat gttte taact aacae gacae	aatttg Ettata Ccagat Etacac Ctcaaa	300 360 420 480 540 600
363 365 367 369 371	aato gtta ataa ctat tcac	gaaat etted iegaa ieead atgg	cac to congress to	gate gatta cette cacca atgga caaag	ccaga aaaat ctcct aggaa atttg	ta ca ta ct tc to ta to ya ao	accaa tgag gaato gcttt gaagt	laaat gcato caaat ctcaa cacaa	get ctgt ctgt cttc cttc agg agt gag	aato gagat caaca catto gatga cato	geet taca acag etgg aata geat atge	ttga ttga gcat aaat atga tcaa acaa	icaad igcco caga ttgt iatct itgga	ect or comments of the comment	cetea ageat gttte taact aacae gacae	aatttg tttata ccagat ttacac ctacaa ctgact cgtggg	300 360 420 480 540 600 660
363 365 367 369 371 373	aato gtta ataa ctat tcac gcca	gaaat etted iegaa ieeac atgg etgga	ac tecc gage teca teca teca teca teca teca teca tec	gato gatta cetto cacca atgga caaag	ccaga aaaat ctcct aggaa atttc ggaaa	ta ca	accaa tgag gaato gcttt gaagt gtaca	laaat gcato caaat ctcaa cacaa itcto	get ctgt ctgt ctto ggg agt gag ctco	aato agat aaca atto atga cato aaga aacca	geet caca acag ctgg aata geat atge	ttga ttga gcat aaat atga tcaa acaa tgca	caad gccd caga ttgg tggcd	cet or grade of the cet of the ce	cetea ageat gttte taact aacae gaeae geega	aatttg ttata ccagat ttacac ctcaaa ctgact cgtggg	300 360 420 480 540 600 660 720
363 365 367 369 371 373 375	aato gtta ataa ctat tcac gcca ggcc	raaat etted iegaa ieead atgg etgga etaga	cac to compare to comp	gato gatto cetto cacca atgga caaag cgaaa	ccaga aaaat ctcct aggaa atttg ggaaa aacct	aa ca ta ct ta to	accaa tgac gaato gcttt gaagt gtaca gatat	aaat geate aaat teaa aeaa itete ttet	get c etg c tgt c ttc c tc gg ag gag c tcc c acc	caato gagat caaca gatga ccato gaaga gacca gtcat	geet caca ctgg aata geat atge aaat	ttga ttga gcat aaat atga tcaa tgca attc	icaac igocc ccaga ttgg itgga itgga itggcc tcta	cct or cc	cctca agcat gttto taact aacao gacao cttco gccga	aatttg ttata ccagat ttacac ctcaaa ctgact cgtggg agctat ctgcca	300 360 420 480 540 600 660 720 780
363 365 367 369 371 373 375 377	aato gtta ataa ctat tcac gcca ggcc tcaa	raaat etted eegaa eecac etgga etaga etaga	cac to compare to the	gato gatto cotto cacca tgga caaac cgaaa ccatto	ccaga aaaat ctcct aggaa atttg ggaaa aacct ccaga	aa ca ta ct ta tt	accaa tgag gaato gettt gaagt gatat gatat etaat	aaat geate caaat cteaa ctete ctee ctgee	get etge tgt tte tte tte tte tte tte tte	caato gagat caaca gatga ccato gaaga cacca gtcat	geet caca ctgg aata geat atge aaat ceet	ttga gcat aaat atga tcaa acaa tgca attc	caac caga ttgt atct tggc tggc tcta	cct of ccg and	cctca agcat gttto taact aacao gacao cttco gccga aaaat ccact	aatttg ttata ccagat ttacac ctcaaa ctgact cgtggg agctat ttgcca	300 360 420 480 540 600 660 720 780 840
363 365 367 369 371 373 375 377	aato gtta ataa ctat tcac gcca ggcc tcaa gctt	raaat ettee eegaa eegaa etgga etaga etaga etaga	cac to compare to comp	gate gate cette cace atgga caaae ceatt catte	ccaga aaaat ctcct aggaa aacct ccaga cgtca	aa ca ct cc to	accaa ctgag gaato gcttt gaagt gtaca gatat ctaat ctcct	aaat geate taaat teta tetet ttet tggag	a get c etge c tgt c tto a ggg a agt g gag a acg g geo a agt a agt agt a agt a agt agt a agt agt a agt agt a agt a agt agt a agt agt a agt agt agt agt a agt agt agt agt agt agt a agt agt agt agt agt agt agt agt ag agt agt	caato gagat catto gatga ccato gaaga cacca gtcat	geet caca ctgg aata geat atge aaat ceet ctga	ttga ttga gcat aaat atga acaa tga atta att	icaac igecc ccaga ttgt itggc itggc cteta icccc	cct or control of the	cctca agcat gtttca aacac gacac cttco gccga aaaat ccact	aatttg ttata ccagat ttacac ctcaaa ctgact cgtggg agctat ttgcca cgctgt	300 360 420 480 540 600 660 720 780 840 900
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363 365 367 369 371 373 375 377 379 381 383	aatc gtta ataa ctat tcac gcca ggcc tcaa gctt tcca cttg	raat cttco ccac ctgga ctgga ctaga ctaga cttaga ctga	cac to cocce of the cocce of th	cgato gatta cetto cacca atgga ccaato ccatto actto gtgaa gtgaa	ccaga aaaat ctcct aggaa attto ggaaa ccaga ccaga acctga actga	a ca	accaa ttgac gaato gottt gaagt gatat ctaat ctaa gtaac gtaac	raaat geate taaat tete ttete ttee tggag ggaa	a get c etge c tgt c tto a ggg a agt geo a acg geo a atg geo tate tate	caate gagat cate gatga cate gaaga cace gtcat gaacgt ctttt gaata	geet caca ctgg nata geat nect caca ccac naca catg	ttga ttga gcat aaat acaa tga atta atta a	caac caga ttgt atct tggc tcat cccc catt	cet of a cet	cetea ageat gttte taaet aaeae geega aaaat ceaet tgaaa ttett accea	aatttg ttata ccagat ttacac ctcaaa ctgact ctgcca cgctgt aacttt cccatg	300 360 420 480 540 600 660 720 780 840 900 960 1020
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VERIFICATION SUMMARYDATE: 03/30/2001PATENT APPLICATION: US/09/804,626TIME: 15:02:54

Input Set : A:\PTO.txt

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Output Set: N:\CRF3\03302001\I804626.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application No L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date